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■ 1: Ann Neurol 2001,  
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# **CRMP-5 neuronal autoantibody: marker of lung cancer and thymoma-related autoimmunity.**

**Yu Z, Kryzer TJ, Griesmann GE, Kim K, Benaroch E  
VA.**

Department of Immunology, Mayo Clinic, Rochester, MN USA.

## Related Resources

We have defined a new paraneoplastic immunoglobulin G autoantibody specific for CRMP-5, a previously unknown neuronal cytoplasmic protein of the collapsin response-mec. CRMP-5 is in adult central and peripheral neurons, including and in small-cell lung carcinomas. Since 1993, our Clinical Neuroimmunology Laboratory has detected CRMP-5-IgG in patients among approximately 68,000 whose sera were submitted for standardized immunofluorescence screening because a subacute neurological presentation was suspected to be paraneoplastic. CRMP-5 autoantibody as frequent as PCA-1 (anti-Yo) autoantibody, second only to ANNA-1 (anti-Hu). Clinical i

obtained for 116 patients, revealed multifocal neurological remarkable were the high frequencies of chorea (11%) and neuropathy (17%, including 10% loss of olfaction/taste, 7% neuropathy). Other common signs were peripheral neuropathy (31%), cerebellar ataxia (26%), subcortical dementia (25%), and neuromuscular junction disorders (12%). CSF fluid was inflammatory in 86%, and CRMP-5-IgG in 37% significantly exceeded serum titers. Lung carcinoma (mostly small-cell) was found in 77% of patients; thymoma was in 10%. Those remaining had miscellaneous neoplasms; all but two were smokers. Serum IgG in all cases bound to recombinant CRMP-5 (predominantly N-terminal epitopes), but not to human CRMP-3.

PMID: 11220734 [PubMed - indexed for MEDLINE]

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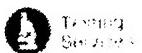
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## Recombx™ CV2 Autoantibody Test - #123



**Type of Disorder:** Paraneoplastic Syndromes  
**Disease(s) tested for:** CV2 paraneoplastic syndrome  
**Synonym(s):** Paraneoplastic neurological disorders (PNDs)  
 POP66  
 ULIP

### Test Details

**Test Code:** 123  
**Profiles that Contain this Test:** [NeoCerebellar Degeneration Paraneoplastic Profile](#)  
[NeoComplete Paraneoplastic Profile](#)  
[NeoEncephalitis Paraneoplastic Profile](#)  
[NeoSensory Neuropathy Paraneoplastic Profile](#)  
**Price:** \$215  
**Special Notes:** NEW from Athena Diagnostics as of 10/2/2000.  
 CV2 is also known as POP66 and ULIP.  
**References:** [Paraneoplastic Syndromes](#)

### Technical Information

**Utility:** Detection of anti-CV2 autoantibodies using recombinant human antigens.  
**Methodology:** Western blot  
**Reference Value:** Negative  
**CPT Code(s):** 84182 (1)  
**Patents:** Pending

### Shipping Considerations

**Specimen Type:** Serum preferred or whole blood  
**Minimum Volume:** 1 (2ml) serum or 1 (8.5ml) whole blood  
**Collection Tube:** Red top  
**Storage Conditions:** Refrigerate if not shipped same day. Serum stable up to two weeks. Ship whole blood immediately.  
**Shipping Options:** Room temperature, ship same day

**Conditions:**

Room temperature, ship same day

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Tuesday, Thursday

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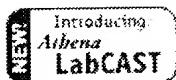
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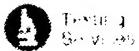
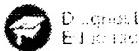
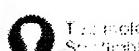
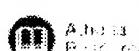
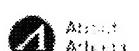
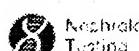
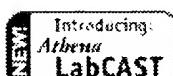
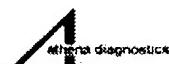
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